

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
3 February 2005 (03.02.2005)

PCT

(10) International Publication Number  
WO 2005/009190 A1

(51) International Patent Classification<sup>7</sup>:

A47K 5/12

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:

PCT/SE2004/001156

(22) International Filing Date: 30 July 2004 (30.07.2004)

(25) Filing Language:

Swedish

(26) Publication Language:

English

(30) Priority Data:

0302153-2

31 July 2003 (31.07.2003) SE

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

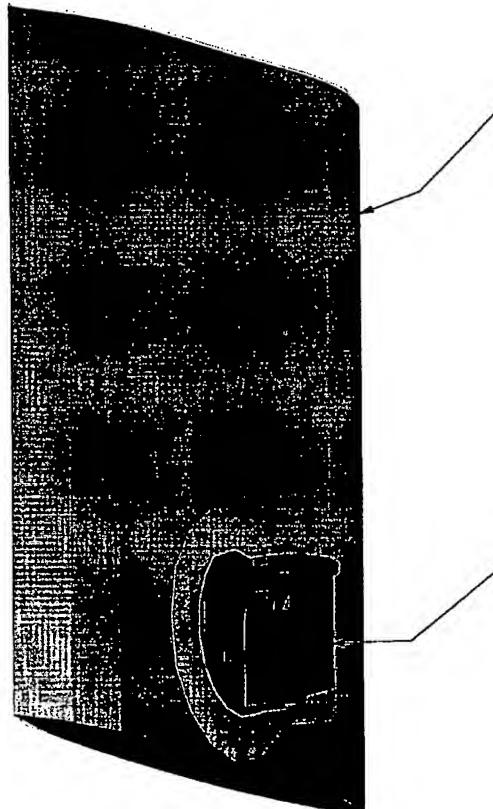
(71) Applicant and

(72) Inventor: LAPINS, Jan, Gunnar [SE/SE]; Yttersta Tvärgränd 10, S-118 23 Stockholm (SE).

(74) Agent: BÄCKSTRÖM, Leif, Conny; Protector Leif C. Bäckström AB, Sandviksvägen 32, S-165 65 Hässelby (SE).

[Continued on next page]

(54) Title: A DEVICE PROVIDING QUICK AND SIMPLE ATTAINABLE DISINFECTION OR SANITARY ACTION WHEN REQUIRED



(57) Abstract: The invention refers to a device enabling sanitation of the hands of at least one person and including a container comprising the sanitary substance. Further, there is a valve making possible repeatedly distributing via an outlet of said sanitary substance. The purpose of the device is making possible sanitation of, primarily, said hands of said person at a proper moment independent of factual location of said person. The device is characterized in that said valve comprises an openable closing valve 2, 12. Said openable closing valve 2 and said outlet 3a are facing away from said person and are reachable with at least one hand of said person. Said container 1 comprising sanitary substance is pressurized, exposed to or by gravitation, or in any other way influenced to, in a single motion and immediately, distribute desired and depending on manual action time of said openable closing valve 2 amount of sanitary substance via said outlet 3a, as soon as said openable closing valve 2 is opened. Said container 1 is designed to collapse essentially without letting in air to the inner of the container, when emptying said container.

WO 2005/009190 A1

BEST AVAILABLE COPY



**Declaration under Rule 4.17:**

— *of inventorship (Rule 4.17(iv)) for US only*

**Published:**

— *with international search report*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**BEST AVAILABLE COPY**